Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

- 1. (Original) A method for electronically translating text, comprising providing an electronic language translator; receiving source language text as an input of the electronic language translator; translating the source language text at the electronic language translator into one or more target language texts; and providing a first user with an option of viewing one or more of the target language texts with or without the source language texts.
- 2. (Original) The method of claim 1, wherein the electronic language translator includes at least a first translation engine.
- 3. (Original) The method of claim 1, wherein the electronic language translator includes a translation cache.
- 4. (Original) The method of claim 3, wherein the translation cache includes a store of phrase and equivalents across multiple languages.
- 5. (Original) The method of claim 3, wherein the translation cache includes a store of source and one or more target language equivalencies that are dynamically updated.
- 6. (Original) The method of claim 3, wherein the translation cache includes heuristics to enable matching between inputs and cache entries which are not typographically identical.

- 7. (Original) The method of claim 6, wherein the flexible matching heuristics include ignoring differences in the capitalization scheme.
- 8. (Original) The method of claim 6, wherein the flexible matching heuristics include ignoring differences in the punctuation.
- 9. (Original) The method of claim 6, wherein the flexible matching heuristics include dividing the input at punctuation such as commas in order to match phrases at a subsentential level.
- 10. (Original) The method of claim 6, wherein the flexible matching heuristics eliminate appellatives at the beginning and end of phrases before attempting the match.
- 11. (Original) The method of claim 6, wherein the flexible matching heuristics include a glossary of abbreviations, slang forms, and other non-standard forms in order to recognize all variants of the cached phrases.
- 12. (Original) The method of claim 6, wherein the flexible matching heuristics include ignoring discritics.
- 13. (Original) The method of claim 6, wherein the flexible matching heuristics include unifying hiragana and katakana in Japanese inputs.
- 14. (Original) The method of claim 6, wherein the flexible matching heuristics include unifying small and large kana in Japanese inputs.
- 15. (Original) The method of claim 6, wherein the flexible matching heuristics include ignoring sentence-final expressive particles (gobi) in Japanese inputs.
- 16. (Original) The method of claim 1, wherein the electronic language translator includes a plurality of translation engines.

- 17. (Original) The method of claim 16, wherein the electronic language translator includes a multiple engine comparison tool that receives translated target language outputs from multiple engines and selects a desired output.
- 18. (Original) The method of claim 1, wherein the electronic language translator includes a pre-processor that improves the translatability of the source language.
- 19. (Original) The method of claim 18, wherein the pre-processor corrects the source language inputs for improved translatability by application of language-specific heuristics.
- 20. (Original) The method of claim 18, wherein the pre-processor includes a spell-checker to correct spelling errors.
- 21. (Original) The method of claim 18, wherein the pre-processing expands acronyms and abbreviations that would otherwise not translate properly.
- 22. (Original) The method of claim 18, wherein the pre-processor includes an accent-restoration routine to correct deleted or incorrect accent marks.
- 23. (Original) The method of claim 18, wherein the pre-processor replaces slang with standard language equivalents which will translate better.
- 24. (Original) The method of claim 18, wherein the pre-processor replaces conversational constructions with language equivalents that translate better
- 25. (Original) The method of claim 18, wherein the pre-processor eliminates difficult to translate sentence-final expressive particles.
- 26. (Original) The method of claim 25, wherein the pre-processor eliminates gobi from Japanese inputs.

- 27. (Original) The method of claim 1, wherein the electronic language translator includes a tutorial to instruct users on use of the translator.
- 28. (Original) The method of claim 1, wherein the electronic language translator includes a composition tool that interactively guides the user to use translation friendly language.
- 29. (Original) The method of claim 28, wherein the composition tool includes a spell checker that provides a notification to a user when the input includes a lexical item not found in dictionaries used by the system.
- 30. (Original) The method of claim 28, wherein the composition tool scans the input for at least one of specific words, phrases, and expressions which do not translate properly.
- 31. (Original) The method of claim 28, wherein the composition tool checks for lexically ambiguous words which cause translation problems.
- 32. (Original) The method of claim 28, wherein the composition tool monitors a length of the input and reminds the user that shorter inputs may translate better.
- 33. (Original) The method of claim 32 wherein the input length monitor uses heuristics to increase the input length count for terms that increase translation complexity.
- 34. (Original) The method of claim 33, wherein the heuristics increase the input length count for conjunctions.
- 35. (Original) The method of claim 28, wherein the composition tool scans the input for syntactic constructions which are difficult to translate.

- 36. (Original) The method of claim 28, wherein the composition tool scans the input for syntactic constructions which are ambiguous.
- 37. (Original) The method of claim 28, wherein the composition tool warns the user about accent errors and suggests corrections.
- 38. (Original) The method of claim 28, wherein the composition tool passes the input through a language model and warns the user when the model does not recognize the input with a desired certain confidence level.
- 39. (Original) The method of claim 38, wherein the language model is selected from a trigram model, bigram model, unigram model, or a linear combination of trigram, bigram, and unigram models.
- 40. (Original) The method of claim 38, wherein the language model is a Hidden Markov Model.
- 41. (Original) The method of claim 28, wherein the composition tool executes a preliminary translation of the input, passes the input through a language model, and warns the user when the model does not recognize the translated output with a desired certain confidence level.
- 42. (Original) The method of claim 41, wherein the language model is selected from a trigram model, bigram model, unigram model, or a linear combination of trigram, bigram, and unigram models.
- 43. (Original) The method of claim 41, wherein the language model is a Hidden Markov Model.
- 44. (Original) The method of claim 1, wherein the electronic language translator provides the user an indicator to indicate those portion of the input that are not to be translated.

- 45. (Original) The method of claim 44, wherein the indicator includes special characters placed before and after the text not to be translated.
- 46. (Original) The method of claim 44, wherein the electronic language translator replaces text not to be translated with a lexical term that is not changed by the machine translation engine.
- 47. (Original) The method of claim 46, wherein the lexical term is a randomly generated, very large integer.
- 48. (Original) The method of claim 46, wherein the lexical term is a randomly generated, very large integer concatenated with a sequentially generated integer to ensure that the same lexical term is not generated twice in one translation.
- 49. (Original) The method of claim 46, wherein the lexical term is a randomly generated alpha-numeric string.
- 50. (Original) The method of claim 46, wherein the lexical term is a randomly generated alpha-numeric string, concatenated with a sequentially generated character, to ensure that the same lexical term is not generated twice in one translation.
- 51. (Original) The method of claim 46, wherein the lexical term is a randomly generated alpha-numeric string, concatenated with a sequentially generated integer, to ensure that the same lexical term is not generated twice in one translation.
- 52. (Original) The method of claim 1, wherein the electronic language translator uses specialized dictionaries to maximize the quality of the translation.
- 53. (Original) The method of claim 52, wherein the specialized dictionaries are selected from topic-specific, application-specific and user-specific dictionaries.

- 54. (Original) The method of claim 1, wherein the electronic language translator retains information about the capitalization scheme of the input, and restores this scheme in the output.
- 55. (Original) The method of claim 1, wherein the electronic language translator retains information about the punctuation of the input, and restores this punctuation in the output.
- 56. (Original) The method of claim 1, wherein the electronic language translator provides a mechanism for viewers of the translate output to indicate to the inputting user when the translation has not been understood.
- 150. (Currently Amended) A system for electronically translating text, comprising an electronic language translator that receives source language text input and produces translated target language text; and

and an interface coupled to the electronic language translator and configured to provide a user with an option of viewing one or more target language texts with or without source language text.

- 151. (Original) The system of claim 150, wherein the electronic language translator includes at least one translation engine.
- 152. (Original) The system of claim 150, wherein the electronic language translator includes a translation cache.
- 153. (Original) The system of claim 152, wherein the translation cache includes a store of phrases and equivalents across multiple languages.

- 154. (Original) The system of claim 152, wherein the translation cache includes a store of source and one or more target language equivalents that are dynamically updated.
- 155. (Original) The system of claim 152, wherein the translation cache includes a processing unit for executing matching between inputs and cache entries which are not typographically identical.
- 156. (Original) The system of claim 155, wherein the flexible matching unit includes a routine for ignoring differences in the capitalization scheme.
- 157. (Original) The system of claim 155, wherein the flexible matching unit includes a routine for ignoring differences in the punctuation.
- 158. (Original) The system of claim 155, wherein the flexible matching unit includes a routine for dividing the input at punctuation.
- 159. (Original) The system of claim 155, wherein the flexible matching unit includes a routine for eliminating appellatives at the beginning and end of phrases before attempting the match.
- 160. The system of claim 155, wherein the flexible matching unit includes a glossary of abbreviations, slang forms, and other non-standard forms, plus a routine for substituting standard forms for the glossary entries.
- 161. (Original) The system of claim 155, wherein the flexible matching unit includes a diacritic removal routine.
- 162. (Original) The system of claim 155, wherein the flexible matching unit includes a hiragana and katakana unification routine for Japanese inputs.

- 163. (Original) The system of claim 155, wherein the flexible matching unit includes a small and large kana unification routine for Japanese inputs.
- 164. (Original) The system of claim 155, wherein the flexible matching unit includes a sentence-final expressive particles (gobi) elimination routine for Japanese inputs.
- 165. (Original) The system of claim 150, wherein the electronic language translator includes a plurality of translation engines.
- 166. (Original) The system of claim 165, wherein the electronic language translator includes a multiple engine comparison tool that receives translated target language outputs from multiple engines and selects a desired output.
- 167. (Original) The system of claim 150, wherein the electronic language translator includes a pre-processor that improves the translatability of the source language.
- 168. (Original) The system of claim 167, wherein the pre-processor includes a language-specific source language input corrector for improved translatability
- 169. (Original) The system of claim 167, wherein the pre-processor includes a spell-checker unit.
- 170. (Original) The system of claim l67, wherein the pre-processor includes an acronyms and abbreviations expander.
- 171. (Original) The system of claim 167, wherein the pre-processor includes an accent-restoration unit.
- 172. (Original) The system of claim 167, wherein the pre-processor includes a slang replacement unit.

- 173. (Original) The system of claim 167, wherein the pre-processor includes a conversational constructions replacement routine.
- 174. (Original) The system of claim 167, wherein the pre-processor includes a sentence-final expressive particles elimination routine.
- 175. (Original) The system of claim 174, wherein the pre-processor includes a Japanese gobi elimination routine.
- 176. (Original) The system of claim 150, wherein the electronic language translator includes a translator training tutorial.
- 177. (Original) The system of claim 150, wherein the electronic language translator includes an input composition tool which interactively guides the user to use translation-friendly language.
- 178. (Original) The system of claim 177, wherein the composition tool includes a spell checker.
- 179. (Original) The system of claim 177, wherein the composition tool includes a difficult-to-translate phrase detection routine.
- 180. (Original) The system of claim 177, wherein the composition tool includes a lexically-ambiguous word detection routine.
- 181. (Original) The system of claim 177, wherein the composition tool includes an input-length monitor.
- 182. (Original) The system of claim 181, wherein the input length monitor includes a word demerit monitor.

- 183. (Original) The system of claim 182, wherein the word demerit monitor is a conjunction demerit monitor.
- 184. (Original) The system of claim 177, wherein the composition tool includes a difficult-to-translate syntax scanner.
- 185. (Original) The system of claim 177, wherein the composition tool includes an ambiguous construction scanner.
- 186. (Original) The system of claim 177, wherein the composition tool includes an accent corrector.
- 187. (Original) The system of claim 177, wherein the composition tool includes a language model.
- 188. (Original) The system of claim 187, wherein the language model is chosen from a trigram model, bigram model, unigram model, or a linear combination of trigram, bigram, and unigram models.
- 189. (Original) The system of claim 187, wherein the language model is a Hidden Markov Model.
- 190. (Original) The system of claim 177, wherein the composition tool includes a language model for preliminary translations.
- 191. (Original) The system of claim 190, wherein the language model is chosen from a trigram model, bigram model, unigram model, or a linear combination of trigram, bigram, and unigram models.
- 192. (Original) The system of claim 190, wherein the language model is a Hidden Markov Model.

- 193. (Original) The system of claim 150, wherein the electronic language translator includes a do-not-translator indicator.
- 194. (Original) The system of claim 193, wherein the do not-translate indicator is a set of special characters places before and after text not to translate.
- 195. (Original) The system of claim 193, wherein the do-not-translate indicator includes a translation-neutral token substitution routine.
- 196. (Original) The system of claim 195, wherein the translation-neutral token is a randomly-generated very large integer.
- 197. (Original) The system of claim 195, wherein the translation-neutral token is a randomly-generated very large integer concatenated with a sequentially generated integer.
- 198. (Original) The system of claim 195, wherein the translation-neutral token is a randomly-generated alpha-numeric string.
- 199. (Original) The system of claim 195, wherein the translation-neutral token is a randomly-generated alpha-numeric string concatenated with a sequentially generated character.
- 200. (Original) The system of claim 195, wherein the translation-neutral token is a randomly-generated alpha-numeric string concatenated with a sequentially generated integer.
- 201. (Original) The system of claim 150, wherein the electronic language translator includes specialized dictionaries.
- 202. (Original) The system of claim 201, wherein the specialized dictionaries are chosen from topic-specific, application-specific, and user-specific dictionaries.

- 203. (Original) The system of claim 150, wherein the electronic language translator includes a capitalization recording and restoration unit.
- 204. (Original) The system of claim 150, wherein the electronic language translator includes a punctuation recording and restoration unit.
- 205. (Original) The system of claim 150, wherein the electronic language translator includes a poor-translation feedback mechanism for the input user.